Dr. Muhammad Idrees

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Professional Profile

Experienced Mathematics educator and researcher with over 25 years of experience in teaching, curriculum development, textbook writing, academic quality assurance, research supervision, and AI training. Ph.D. in Mathematics with expertise in mathematical reasoning, AI evaluation (RLHF), and higher education.

Core Competencies

- Higher Mathematics Teaching
- Curriculum Development
- AI Training & RLHF
- Research Supervision
- Textbook Writing
- Academic Review
- Mathematical Modeling
- Assessment Design

Professional Experience

- Assistant Professor of Mathematics, University of Education, Lahore (2013–Present)
- Lecturer in Mathematics, University of Education (2006–2013)
- Lecturer in Mathematics, University of the Punjab (2005–2006)
- Mathematics Teacher (O & A Level), Beaconhouse School System (2003–2005)
- Senior School Mathematics Teacher (O Level), Aitchison College (2002–2003)
- Mathematics Tutor (O & A Level), Self-employed (1996–Present)

Curriculum Experience

- Convener, External Review Committee, PECTAA (2021–Present)
- Author, Grade 11 Mathematics Textbook (PECTAA, 2024)
- Reviewer of National Mathematics Textbooks (Grades 7, 8 and 9) (PECTAA 2023)
- Member Review Committee, PECTAA for review of Mathematics Curriculum Grade 9-12 (NCP & PECTAA)

Education

- Ph.D. Mathematics – Beijing Institute of Technology, China
- M.Phil. Mathematics – University of the Punjab
- M.Sc. Mathematics – University of the Punjab
- B.Sc. Mathematics & Physics – Government College, Lahore
- F.Sc. Pre-Engineering – Government College, Lahore
- Matriculation (Science)

Research Interests

- Applied Mathematics
- Control Theory
- Graph Theory
- Numerical Methods
- Mathematics Education
- Artificial Intelligence

Achievements

- 25+ years of teaching experience
- Supervised 30+ postgraduate theses
- Authored Mathematics Grade 11 Textbook PECTAA
- Convener review committee national curriculum textbooks
- Author of many Mathematics Books Grade 5-12